

### **Amendments to the Claims:**

*This listing of claims will replace all prior versions, and listings, of claims in the application:*

1-24. (Cancelled).

25. (Currently amended) A method of using quantum dots in preparing a colored makeup composition, comprising the steps of

i) provision of quantum dots;  
ii) if necessary, a previous compatibility treatment of the quantum dots; and  
iii) introduction of the quantum dots ~~treated in this way~~ into a cosmetic vehicle, wherein the quantum dots have a core-shell structure and a mean size of 1.5 to 50 nm.

26. (Previously presented) The method according to claim 25, wherein the cosmetic vehicle comprises a continuous hydrophobic phase.

27. (Previously presented) The method according to claim 25, wherein the cosmetic vehicle comprises a continuous hydrophilic phase.

28. (Previously presented) The method according to claim 25, wherein the cosmetic vehicle is an emulsion.

29. (Previously presented) The method according to claim 28, wherein the cosmetic vehicle is a W/O, O/W, W/O/W or O/W/O emulsion.

30. (Previously presented) The method according to claim 25, wherein the quantum dots are dispersed in a hydrophobic phase of the cosmetic vehicle.

31. (Previously presented) The method according to claim 25, wherein the quantum dots are dispersed in a hydrophilic phase of the cosmetic vehicle.

32. (Previously presented) The method according to claim 25, wherein the quantum dots comprise a semiconductor of groups II-VI chosen from MgS, MgSe, MgTe, CaS, CaSe, CaTe, SrS, SrSe, SrTe, BaS, BaSe, BaTe, ZnS, ZnSe, ZnTe, US, CdSe, HgS, HgSe and HgTe.

33. (Previously presented) The method according to claim 25, wherein the quantum dots comprise a semiconductor of groups III-V chosen from GaAs, GaN, GaP, GaSb, InGaAs, InP, InN, InSb, InAs, AlAs, AlP, AlSb and AlS.

34. (Previously presented) The method according to claim 25, wherein the quantum dots comprise a semiconductor of group IV chosen from Ge, Pb and Si.

35. (Previously presented) The method according to claim 25, wherein the quantum dots comprise a mixture of a plurality of semiconductors.

36. (Previously presented) The method according to claim 35, wherein the semiconductor mixture is chosen from CdSe/CdS, CdTe/ZnS, CdTe/ZnSe or InAs/ZnSe.

37. (Previously presented) The method according to claim 25, wherein the quantum dots have a shell formed of a plurality of layers.

38. (Previously presented) The method according to claim 37, wherein the core of the quantum dots is composed of MgS, MgSe, MgTe, CaS, CaSe, CaTe, SrS, SrSe, SrTe, BaS, BaTe, ZnS, ZnSe, ZnTe, CdS, CdSe, CdTe, HgS, HgSe, HgTe, GaAs, GaN, GaP, GaSb, InGaAs, InP, InN, InSb, InAs, AlAs, AlP, AlSb, AlS, PbS, PbSe, Ge, Si or one of the mixtures thereof.

39. (Previously presented) The method according to claim 37, wherein the shell of the quantum dots is composed of ZnO, ZnS, ZnSe, ZnTe, CdO, CdS, CdSe, CdTe, MgS, MgSe, GaAs, GaN, GaP, GaSb, InAs, InN, InP, InSb, AlAs, AlN, AlP, AlSb or one of the mixtures thereof.

40. (Previously presented) The method according to claim 37, wherein the shell has a thickness of between 1 and 10 monolayers.

41. (Previously presented) The method according to claim 25, wherein one or more quantum dots have been previously coated with a hydrophobic ligand and then complexed into a micelle with a size of between 5 and 45 nm, the micelle being formed of a hydrophobic core and a hydrophilic envelope, the hydrophobic core containing a plurality of hydrophobic groups, the envelope containing a plurality of hydrophilic groups, each hydrophobic group containing at least one chain, each chain comprising at least 8 carbon atoms, the number of carbon atoms for all the hydrophobic chains of a single group being greater than or equal to 24.

42. (Previously presented) The method according to claim 41, wherein the hydrophilic group is a polysaccharide.

43. (Previously presented) The method according to claim 42, wherein the polysaccharide is chosen from agarose, dextran, starch, cellulose, amylose or amylopectin.

44. (Previously presented) The method according to claim 41, wherein the hydrophilic group is a copolymer of polyethylene glycol.

45. (Previously presented) The method according to claim 25, wherein the makeup composition is a nail varnish.

46. (Previously presented) The method according to claim 25, wherein the makeup composition is a lacquer.

47. (Previously presented) The method according to claim 25, wherein the makeup composition is a cream.